TECHNICAL DATA SHEET

AQUA SEAL-2K

TECHNICAL DATA SHEET (TDS)

GLAZE PLUS
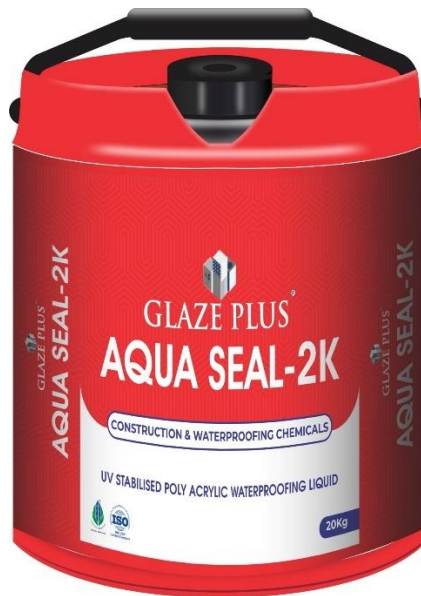
AQUA SEAL-2K

DESCRIPTION

Aqua seal-2K is 2 parts polymer-modified flexible cementitious waterproofing membrane coating specially formulated for Concrete and Masonry Surface which is supplied in ready-mix kits (2 parts). When the dry part is mixed with acrylic-modified emulsion and applied according to direction, the cured. Aqua seal-2K will become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface.

AREA OF APPLICATION

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.

FEATURES AND BENEFITS

- Quick drying
- Easily applied by brush or trowel
- Flexible
- Excellent adhesion to concrete and masonry substrates
- Non toxic substances
- Environmentally friendly - free Volatile Organic Compound (VOC)
- Can be applied on damp surface.
- Excellent waterproofing property - No leakage up to 10 m. hydrostatic pressure.

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METHOD OF APPLICATION

1.Surface Preparation

- Allow new concrete and masonry substrate to fully cure prior application.
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spalled Concrete must be sound before applied.
- Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

2.Mixing

- Using Portland mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.

- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.

3.Application

- Aqua seal-2K slurry can be applied by brush or trowel. DO NOT dilute with water. Recommended coverage rate is approximately 1.1 kg./m2 /coat for 0.8 mm. thick of wet film thick (minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying a second coat.

3.Curing

- For maximum protection, allow 12 to 24 hours curing time after the second coat.
- Aqua seal-2K requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site" to 'requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site

3.Cleaning

- Aqua seal-2K can be removed from tools and equipment immediately after use with clean water, only hardened material can removed mechanically.

TECHNICAL INFORMATION

Properties	Specification / Standard	Results
Mix Component	-	Mix Ratio 1 : 2 (A : B)
Polymer Content	-	> 18 %
Water Absorption	-	< 6%
Proprietary Polymer	-	High quality modified acrylic polymer
Set-to-touch time	ASTM D 1640	45 min
Tensile Strength - as cast	ASTM D 412	2.5 N/mm2
Elongation at Break - as cast	ASTM D 412	60 %
Adhesion to Substrate	ASTM D 4541	0.80 N/mm2
Adhesion to Concrete at 7 day	ASTM D 4541	1.75 N/mm2

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Immersion in water Adhesion to Concrete at 7 day	ASTM D 4541	1.00 N/mm2
Crack Bridging	ASTM C 836	1 mm

PRECAUTION AND LIMITATION

- Aqua seal-2K is not suitable for traffic area application.
- Aqua Seal-2K is a pre measure package. Do not dilute with water or add any more sand or cement.

PAKAGING

Product	Packaging	Coverage
Aqua Seal-2K	15 kg./set	1 kg./m2 /coat (minimum 2 coat)

STORAGE

- 12-month storage in sealed container and room temperature

HEALTH & SAFETY PRECAUTIONS

- Non-Flammable
- Avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.

TECHNICAL SUPPORT

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